



TRUNK mPOWERED

Extend and protect your core network anywhere

323K

small population centres across the globe are still under-served by broadband networks

INDUSTRY PERSPECTIVE

According to Northern Sky Research (NSR), approximately 323,000 small population centres across the globe are still under-served by broadband networks, creating a large addressable market that will drive the demand for backhaul—from 224Gbps in 2021 to an estimated 22Tbps in 2030. Yet, fibre is often too costly to extend to remote locations, and microwave infrastructure requires significant resources to operate. For network operators who provide

business, government and residential end-users with critical broadband services, reliable high-throughput and low-latency satellite trunking is an essential solution—not only to reach under-served regions, but also to improve network resiliency in existing critical locations and increase rapid-deployment capacity for COTP (communications on the pause) for disaster recovery, network restoration, and special events.



SERVICE DESCRIPTION

The Trunk mPOWERED service enabled by O3b mPOWER brings unrivalled satellite throughput capable of delivering up to multi-gigabit links of uncontended capacity anywhere, helping to extend your core network to remote, underserved or temporary locations—and do it cost-efficiently and faster than any land-based alternative.

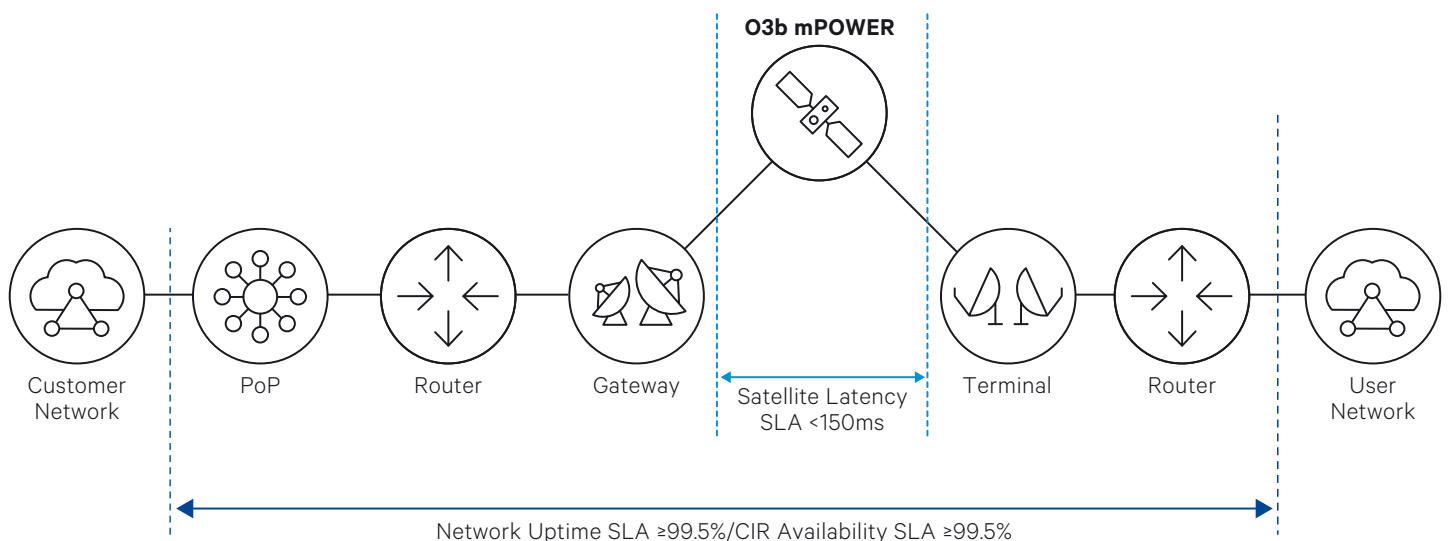
With predictable performance based on uncontended capacity and consistent low-latency—as low as 150ms—Trunk mPOWERED guarantees data, video, cloud, gaming and any other data-intensive application to run without unexpected service degradations. Its unmatched scalability also provides the assurance your business needs, quickly expanding by hundreds of Mbps and up to 2.25Gbps on a single terminal to support your business demands, temporarily or permanently.

Trunk mPOWERED empowers your operation with agility and flexibility,

unrivalled by any other satellite-based trunk service today. Modify link symmetry by hundreds of Mbps within hours or reassign bandwidth across O3b mPOWER sites on your network, or even to Communications On The Pause (COTP) terminals within the coverage area. Leveraging thousands of electronically steered beams, O3b mPOWER also gives you the capability to route traffic to the gateway that best fits your network requirements—helping you reduce operational costs, maximise network performance and easily comply with regulations.

Reaching untapped markets via terrestrial-based solutions can be time-consuming and expensive. But O3b mPOWER accelerates time to market, delivers fibre-like low-latency performance, and protects your investment with ground terminals that can support your network's growth over a longer service lifecycle than any other satellite service, from Mbps to Gbps.

Extending your core network with Trunk mPOWERED





TECHNICAL SPECIFICATIONS

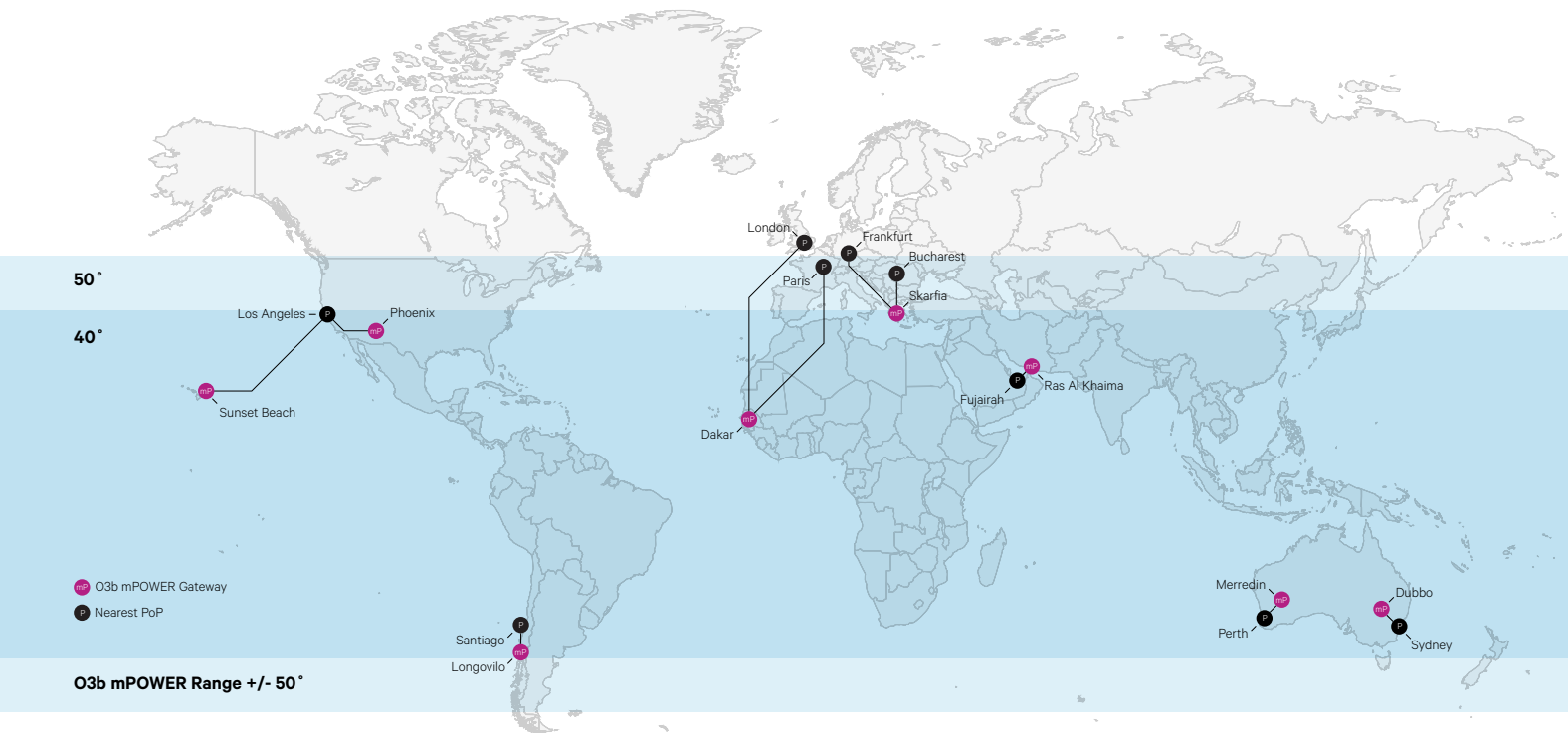
Trunk mPOWERED is available in three service packages—Prime, Pro, and COTP—allowing you to select the service option that best fits your networking requirements.

	Prime	Pro	COTP*
Constellation	O3b mPOWER	O3b mPOWER	O3b mPOWER
Capacity packages	Minimum Service Data Rate (SDR) per site of 50Mbps (FWD+RTN):	Minimum Service Data Rate (SDR) per site of 100Mbps (FWD+RTN):	Minimum Service Data Rate (SDR) per customer of 300Mbps and 50Mbps per site (FWD+RTN):
	Min. Max. Increment	Min. Max. Increment	Min. Max. Increment
	FWD 25 1,000 10	FWD 10 1,500 10	FWD 25 1,500 25
	RTN 10 500 10	RTN 10 750 10	RTN 10 750 25
Network uptime SLA	≥ 99.5%	≥ 99.5%	≥ 99.5%
CIR availability SLA	≥ 99.5%	≥ 99.5%	≥ 99.5%
Satellite latency SLA	< 150ms	< 150ms	< 150ms
Customer portal includes	Service availability, network uptime, and latency	Service availability, network uptime, and latency	Service availability, network uptime, latency, jitter, and packet loss
Link agility	Choose from pre-defined link ratios (1:1 to 16:1)	Choose symmetric or asymmetric links, with available higher service data rate requests for a limited time	Choose symmetric or asymmetric links, with available higher service data rate requests once a month
Portability	Not available	Port bandwidth across fixed terminals	Port bandwidth or location across COTP terminals up to 12 times per year per active link
Flex handoff	Connect to the default SES On-net PoP	Connect to the default SES On-net PoP	Connect to On-net, Off-net, on- premises, or direct-to-cloud PoP
Available terminal bundles	2 x 1.3m 20W 2 x 2.4m 40W	2 x 2.4m 40W	2 x 1.2m 20W (Vehicular terminal) 2 x 1.2m 40W (Vehicular or non-vehicular terminal) 2 x 2.4m 40W (Non-vehicular terminal)

*Communications On The Pause

Trunk mPOWERED service packages also offer Performance Monitoring, allowing customers to monitor network uptime (%), service data rate (Mbps), latency (ms), jitter (ms) and frame loss ratio (%) for a window of up to 90 days depending on the selected service package.

GLOBAL COVERAGE MAP



REIMAGINE YOUR BUSINESS WITH TRUNK mPOWERED

Extending your network beyond its current boundaries is crucial to reaching new markets, as well as enabling essential network services for under-served businesses, government agencies, and residential end-users. However, not all satellite networks can match Trunk mPOWERED for performance, reliability, cost efficiency

and flexibility. With groundbreaking throughput and low-latency performance backed by robust service level agreements and comprehensive packages offered with a range of value-added services, Trunk mPOWERED helps you extend your core network to reach new customers—even in remote and hard-to-reach areas.

Learn how [Trunk mPOWERED](#) can help you accelerate your regional reach and growth.



Learn more about our full portfolio of services and solutions at ses.com.

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